

SC4 Standing Document Review

3 March 1997

QC Methods and Metrics Team

1997-03-03

QCN023

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Status of Methods Documents

- ◆ Standing Documents completed
 - ▼ Guidelines for AIM development
 - ▼ Guidelines for development of mapping tables
 - ▼ Guidelines for AIC development
- ◆ Completed, to be reballoted
 - ▼ Guidelines for ATS development
- ◆ 1 April delivery
 - ▼ Guidelines for the development and approval of STEP application protocols
 - ▼ Supplementary directives for the drafting and presentation of ISO 10303
- ◆ Working draft available
 - ▼ Procedures for application interpretation (QC N019, on SOLIS)

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Objectives of Ballot

- ◆ Complete and improve documentation of current practice
- ◆ Elevate visibility and stability of documentation of established development practices
- ◆ Introduce change management for methods documentation

Changes to current practice were OUT OF SCOPE for this ballot.

Mapping Table Guidelines

- ◆ Comment Classification:
 - 14 Minor Editorial
 - 15 Major Editorial
 - 8 Minor Technical
 - 7 Major Technical
- ◆ Changes made were primarily corrections and clarifications
- ◆ Changes deferred were primarily changes to practice that would cause rework of existing APs

Editorial

◆ Accepted

- Added Foreword, Scope, Normative references, Definitions clauses and aligned font size, etc. with general guidance in the Supplementary Directives
- Corrected discrepancy with SD on line continuation character: now ‘\’ in both documents
- Clarified notes list follows table, precedes rules list

◆ Deferred

- Incorporation of this document into AP Guidelines (USA N435-10)
- Requests for scope changes or major restructuring of documentation to answer different questions (UK N435-5,7,8,9,10)

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Technical

◆ Accepted

- Made examples consistent in use of ‘#1:’ for numbered alternatives and use of hyphens in table cells
- Clarified that strings in reference paths are to be set off in single quotes (as in EXPRESS)

◆ Deferred

- Requirement for bi-directional mapping (GER N436-4, UK N436-4)
- Specification of “root” AIM entity for related ARM mappings (US N436-1)
- Specification in mapping table of ARM cardinalities and subtype/supertype relationships (USA N436-2, USA N436-4)

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Technical

- ◆ Deferred (continued)
 - Guidance on how to complete concepts that are split among several objects in ARM (USA N436-4)
 - Specification in mapping table whether instances are intended to be the same or different (USA N436-4)
 - Specification of formal mapping syntax (UK N436-2)

AIM Guidelines

- ◆ Comment Classification:
 - 14 Minor Editorial
 - 8 Major Editorial
 - 18 Minor Technical
 - 9 Major Technical
- ◆ Changes made were primarily corrections and clarifications
- ◆ Changes deferred were primarily changes to practice that can't be accomplished currently

Editorial

◆ Accepted

- Added Foreword, Scope, Normative references, Definitions clauses and aligned font size, etc. with general guidance in the Supplementary Directives
- Clarification on when scope changes require NWI ballot
- Added sub-sub clause on documentation of short names

◆ Deferred

- none

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Technical

◆ Accepted

- Added one more reason for ARM changes during interpretation process: AP team may decide to remove a requirement not supported by Integrated Resources
- Changed guidance on population of default values for IR attributes: Guidance to be provided in Implementation Usage Guide annex of AP
- Added requirement for note when a non-interfaced entity is named in a string within the EXPRESS of the AIM
- Added list of consistency checks to be performed by the AP team to ensure quality of the AIM and mapping table
- Added guidance that AP team is to maintain a matrix tracing ARM requirements to rules in AIM.
- Annex added with tables containing strings and definitions for IR attribute values standardized in APs (202 and 203)

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Technical

◆ Deferred

- Request to use ENUMERATIONS rather than strings constrained with rules. (EXPRESS does not currently support open-ended ENUMERATIONS) (USA N435-21)
- Miscommunication between EXPRESS project and AIM developers regarding requirements and capabilities of EXPRESS language: to be resolved in future (GER N435-8)
- Request to formalize the interpretation process such that it is less prone to human error: suggestions on how to do so welcomed! (USA N435-27, 28)
- Requirement for bi-directional mapping (USA N435-30)
- Requirement for more detailed interpretation guidance being addressed in “Procedures for application interpretation”